

# Competition in the 21st Computer Olympiad

## Result

### Computer Olympiad 2018

	Jiritsu_kun	GCCS		LastOneTAI		Win	Lose	Rank	
1	<b>Jiritsu_kun</b>		9-7	10-7	9-5	9-5	4	0	1
2	<b>GCCS</b>	7-10	7-9		6-4	9-4	2	2	2
3	<b>LastOneTAI</b>	5-9	5-9	4-9	4-6		0	4	3

1st\_prize; Jiritsu-kun, 2nd\_prize; GCCS, 3rd\_prize; LastOneTAI

## Log

## Outline

- This competition is held as a part of the 21st Computer Olympiad. Curling AIs play games on the system called Digital Curling to decide which one is strong.

## What is Computer Olympiad?

Computer Olympiad is the comprehensive competition of games held by International Computer Games Association. Please visit [here](#) for detail information.

## Date

- July 9-11, 2018
- Schedule
  - 1st day(July 9)
  - 2nd day(July 10)

## Venue

- Information Center, National Taipei University (San-Shia Campus)

## Regulations

- Length of games will be scheduled 8 ends.
- If the number of participating teams is less than 6 teams, match-up will be done in round robin manner. In the case of more than 7 teams, the ranking will be decided by Swiss tournament.(It may change depending on the progress.)

## Simulator and upper limit of shot strength

- , and shots larger than this value are invalid.
  - Actual shot values may exceed this limit, since random numbers are added,
  - The size of the x component of the shot vector is not checked.
- Prohibited from consuming computational resources when you are not your turn.

## Thinking time

- 219 seconds

## Extra end

- The match will go to "extra end", if the score of each team is same at the finish of the 8th end.
- Extra end will be started as a new game by the following setting.
  - End; 1 end
  - Thinking time; 28 seconds for each
  - Hammer team; the team that lost the last end

## Limit on thread

- No limit within the specifications of computer used at the competition

## The specifications of computer used at this competition

- OS : Windows 10 Home 64 bits
- Processor : Intel(R) Core ( TM) i7-5500U CPU @ 2.40 GHz
- Memory : 16 GB RAM

## Simulator

- The simulator used in this event is Ver.2.4 GAT.

## Random number

- Normal random numbers are used, and the x axis is  $\mu = 0$ ,  $\sigma = 0.0725$ , y axis is  $\mu = 0$ ,  $\sigma = 0.2900$ .(It is set at 0.145 on the client.)

## Requirements of participant

- Program needs to work on the official client of digital curling.
- Participant must send the source code of participating program after completion to release it.
- At least one of the developers is expected to show up to the competition site.
- Please mention Computer Olympiad also sets its rules.

## Participation & Question about this competition

- You need to register both here (mentioned below) and on Computer Olympiad page
- Please fill in the following necessary items and apply via e-mail with your program to "taito@mbc.nifty.com". We will confirm whether it works on our environment, and will contact you for confirmation. Please wait for a few days.
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- If you have any question about this competition, please ask us via email to "taito@mbc.nifty.com".

Organized by: Takeshi Ito Laboratory, the University of Electro-Communications